

## ABSTRACT OF THE DISCLOSURE

5           The present invention relates to a method of producing a diesel fuel blend having  
a pre-determined flash-point and a pre-determined increase in cetane number over the  
stock diesel fuel. Upon establishing the desired flash-point and increase in cetane  
number, an amount of a first oxygenate with a flash-point less than the flash-point of the  
stock diesel fuel and a cetane number equal to or greater than the cetane number of the  
10 stock diesel fuel is added to the stock diesel fuel in an amount sufficient to achieve the  
pre-determined increase in cetane number. Thereafter, an amount of a second  
oxygenate with a flash-point equal to or greater than the flash-point of the stock diesel  
fuel and a cetane number greater than the cetane number of the stock diesel fuel is  
added to the stock diesel fuel in an amount sufficient to achieve the pre-determined  
15 increase in cetane number.